

Sonu Kumar Suman

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SKILLS

- Languages:** C, C++, JavaScript, Java, Python, HTML and CSS
- Frameworks/ Libraries:** Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, Flask
- Tools/Platforms:** MySQL, MongoDB, Git, GitHub, Figma, Power BI, Tableau, Excel
- Soft Skills:** Organized, Time Management, Adaptability, Leadership

PROJECT

- DSA-Powered Smart Expression Calculator | [GitHub](#)** July' 2025
- Built an advanced calculator web app that solves complex expressions with step-by-step explanations using stack-based evaluation.
 - Added DSA visualizations including stack operations, expression trees, and recursion flow for deeper conceptual understanding.
 - Implemented client-side history storage with a clean, responsive UI featuring error handling and light/dark theme support.
- Tech:** HTML, CSS, JavaScript, Flask (Python), localStorage, Chart.js (optional)
- Analyzing Fatal Encounters in the U.S. Using Python | [GitHub](#)** Mar' 2025
- Conducted a data-driven analysis of fatal police encounters in the U.S., examining gender, age, and race disparities using Python-based EDA.
 - Visualized demographic trends through bar charts, box plots, histograms, and KDE plots to uncover patterns and potential biases in law-enforcement fatalities.
 - Delivered clear, fact-based insights to support informed discussions on policing practices, accountability, and demographic differences in deadly force incidents.
- Tech:** Python, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook.
- Amazon Prime Power BI Dashboard | [GitHub](#)** Nov' 2025
- Built an interactive Amazon Prime analytics dashboard to visualize total titles, genres, ratings, directors, and global content distribution using advanced Power BI visuals.
 - Analyzed key trends through dynamic charts, including rating categories, genre patterns, country-wise content heatmaps, and yearly release growth.
 - Designed a clean Amazon-themed UI with KPIs, slicers, drill-through insights, and DAX measures for deeper content intelligence.
- Tech:** Power BI, Power Query, DAX, Data Modeling, Excel/CSV Dataset.

TRAINING

- Fundamentals of Data Structures: Learn, Apply and Build Projects | LPU | [Certificate-Link](#)** Jul' 2025
- Applied core data-structure principles to solve problems using arrays, linked lists, stacks, queues, trees, and graphs with efficient algorithmic strategies.
 - Built and implemented DSA-based mini-projects, demonstrating hands-on expertise in tree traversals, searching, sorting, and complexity-optimized operations.
 - Strengthened understanding of time-space complexity, recursion, and C++-based DSA implementation through structured coursework and practical exercises.

CERTIFICATES

- Data Analytics Job Simulation by Deloitte. | [Deloitte](#) Jul' 2025
- Cloud Computing | [NPTEL](#) May' 2025
- Carrier Essentials in Data Analysis by Microsoft and LinkedIn | [LinkedIn](#) Sept' 2025
- Oracle Cloud Infrastructure 2025 Certified Data Science Professional by Oracle | [Oracle](#) Oct' 2025

ACHIEVEMENTS

- Earned Python-Basic, Java-Basic and SQL advanced Certification from [HackerRank](#) Oct' 2025
- Earned 3-star rating in python, Java, CPP in [HackerRank](#) Jul' 2025
- Completed multiple industry-level projects during Virtual Internship from [Forage](#) Jul' 2025

EDUCATION

- Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; **CGPA: 5.8** Aug' 2023-Present
- S.A.S High School** Bihar, India
Intermediate; **Percentage: 66%** April' 2022- Mar' 2023
- R.S.A.S High School** Bihar, India
Matriculation; **Percentage: 85%** Mar' 2021